

## IN THE SPECIFICATION

Please replace the last paragraph on page 7 (which extends to page 8) with the following paragraph.

The initial model PRS generator 100 includes a plurality of L input lines that correspond to each of the L flip-flops. Input line 130 corresponds to flip-flop 110. Input line 131 corresponds to flip-flop 111. Input line 132 corresponds to flip-flop 112. Input line 133 corresponds to flip-flop 113. Each of the input lines 130-133 generates either a high signal or a low signal depending on a polynomial G assigned to it. Each flip-flop and its corresponding input line is coupled to a circuit that performs an AND function. Flip-flop 110 and input line 130 is coupled to circuit 120 that performs an AND function. Flip-flop 111 and input line 131 is coupled to circuit 121 that performs an AND function. Flip-flop 112 and input line 132 is coupled to circuit 122 that performs an AND function. Flip-flop 113 and input line 133 is coupled to circuit 123 that performs an AND function. The initial model PRS generator 100 includes a circuit 140 that performs an XOR function. The circuit 140 is coupled to circuits 120-123 and performs an XOR function on the outputs of circuits 120-123. The output of circuit 140 is transmitted to the ~~lowest~~highest order flip-flop 110.